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     (FILE 'HOME' ENTERED AT 21:51:26 ON 13 JUN 2004)
     FILE 'USPATFULL' ENTERED AT 21:58:08 ON 13 JUN 2004
              0 S 3792041/PN
L1
              0 S 3951945/PN
L2
              0 S US3792041/PN
L3
              1 S US3951945/PN
L4
              0 S US3792041/PN
L5
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L10
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L12
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L26
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L27
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                E SUGIURA M/AU, IN
L29
            143 S E3, E38-39
              2 S L28 AND L29
L30
     FILE 'USPATFULL' ENTERED AT 22:18:52 ON 13 JUN 2004
L31
              2 S L30
              6 S L28
L32
L33
              6 S L29
L33 ANSWER 1 OF 6 USPATFULL on STN
ACCESSION NUMBER:
                         2004:50512 USPATFULL
                         Acidic oil-in-water type emulsified compositions
TITLE:
                         Kudou, Naoto, Tokyo, JAPAN
INVENTOR(S):
                         Nakajima, Yoshinobu, Tokyo, JAPAN
                         Satou, Makoto, Tokyo, JAPAN
                           Sugiura, Masakatsu, Kashima-gun, JAPAN
                         Yamaguchi, Hiroaki, Kashima-gun, JAPAN
                         Miyatani, Tsukasa, Tokyo, JAPAN
                         Kao Corporation, Tokyo, JAPAN (non-U.S. corporation)
PATENT ASSIGNEE(S):
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NUMBER KIND DATE PATENT INFORMATION: US 2004037940 A1 20040226 APPLICATION INFO.: US 2003-608030 A1 20030630 (10)

NUMBER DATE PRIORITY INFORMATION: JP 2002-192538 20020701 JP 2002-322986 20021106

Utility APPLICATION DOCUMENT TYPE: FILE SEGMENT:

LEGAL REPRESENTATIVE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940

DUKE STREET, ALEXANDRIA, VA, 22314

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 721 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Provided is an acidic oil-in-water type emulsified composition, containing an oil or fat having a diglyceride content of 30 wt. % or greateran egg yolk, and a water soluble soybean polysaccharide.

The acidic oil-in-water type emulsified composition of the present invention is excellent in taste and appearance stability, has resistance against pressure-induced shear stress which occurs upon preparation or use, shows less changes in physical properties, for example, viscosity reduction can be suppressed, and is free from appearance change such as oil/water separation. Thus, it has a stable quality.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 2 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:43006 USPATFULL

Solid-liquid fractionation process of oil composition

Sugiura, Masakatsu, Kashima-gun, JAPAN INVENTOR(S):

Kase, Minoru, Kashima-gun, JAPAN Yamaguchi, Hiroaki, Kashima-gun, JAPAN Yamada, Naoto, Kashima-gun, JAPAN

Kao Corporation, Tokyo, JAPAN, 103-8210 (non-U.S. PATENT ASSIGNEE(S):

corporation)

NUMBER KIND DATE PATENT INFORMATION: US 2002025370 A1 20020228 US 6630189 B2 20031007 APPLICATION INFO.: US 2001-900053 A1 20010709 (9)

NUMBER DATE _____ PRIORITY INFORMATION: JP 2000-212418 20000713

PRIORITY INFORMATION.

DOCUMENT TYPE:

THE CREMENT.

APPLICATION

APPLICATION

LEGAL REPRESENTATIVE: OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH

FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202

NUMBER OF CLAIMS: EXEMPLARY CLAIM: LINE COUNT: 372

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A process for fractionating an oil composition containing at least 50% by weight of partial diglycerides into a solid portion and a liquid

portion, which includes dissolving an emulsifier in the oil composition, cooling the solution to deposit crystals and then conducting solid-liquid separation. The process permits easily fractionating the oil composition into a solid oil composition and a liquid oil composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 3 OF 6 USPATFULL on STN

2002:6075 USPATFULL ACCESSION NUMBER:

TITLE:

Process for producing partial glyceride

INVENTOR(S):

Sugiura, Masakatsu, Ibaraki, JAPAN Shimizu, Masami, Ibaraki, JAPAN Yamada, Yasushi, Ibaraki, JAPAN

Mine, Kouji, Ibaraki, JAPAN Maruyama, Eizo, Ibaraki, JAPAN Yamada, Naoto, Ibaraki, JAPAN

PATENT ASSIGNEE(S):

Kao Corporation, Tokyo, JAPAN (non-U.S. corporation)

	NUMBER	KIND	DATE	
		- -		
APPLICATION INFO.: U	S 6337414 W 2000003031 S 2001-743218 W 1999-JP3632	B1	20020108 20000120 20010108 19990706 20010108	(9) PCT 371 date

DATE NUMBER

PRIORITY INFORMATION:

______ JP 1998-194237 19980709

Utility DOCUMENT TYPE: GRANTED FILE SEGMENT:

Carr, Deborah D. PRIMARY EXAMINER:

Oblon, Spivak, McClelland, Maier & Neustadt, P.C. LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS:

EXEMPLARY CLAIM:

0 Drawing Figure(s); 0 Drawing Page(s) NUMBER OF DRAWINGS:

379 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The invention relates to a process for preparing a partial glyceride, which includes, in a glycerolysis reaction of oil or fat making use of a lipase, conducting the reaction in the presence of water under conditions that crystals are partially precipitated in the reaction system in the course of the reaction and the concentration of free fatty acids in an oil phase amounts to at least 5% by weight.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER:

2001:112080 USPATFULL

Process for producing diglycerides TITLE: Yamada, Yasushi, Ibaraki, Japan INVENTOR(S):

Shimizu, Masami, Ibaraki, Japan Sugiura, Masakatsu, Ibaraki, Japan

Yamada, Naoto, Ibaraki, Japan

Kao Corporation, Tokyo, Japan (non-U.S. corporation) PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE	
IMIDIAT THEORETICAL	US 6261812 US 1998-70006	B1	20010717 19980430	(9)

NUMBER DATE

PRIORITY INFORMATION: JP 1997-221502 19970818

DOCUMENT TYPE: FILE SEGMENT:

Utility GRANTED

PRIMARY EXAMINER: Marx, Irene

LEGAL REPRESENTATIVE: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

LINE COUNT:

392

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A process for producing diglycerides is provided by which high-purity diglycerides can be produced at a lower cost and more efficiently than conventional esterification and glycerolysis processes, and which inhibits the deterioration of oil quality, such as discoloration, and the loss of trace active ingredients derived from a feedstock of fats and oils, which involves partially hydrolyzing a fat or oil, followed by esterifying the resultant product with glycerol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER:

2001:95291 USPATFULL

TITLE:

INVENTOR(S):

Preparation process of diglyceride Sugiura, Masakatsu, Kashima-gun, Japan Yamaguchi, Hiroaki, Kashima-gun, Japan

Yamada, Naoto, Kashima-gun, Japan

NUMBER KIND DATE PATENT INFORMATION: US 2001004462 A1 20010621 US 6361980 B2 20020326 APPLICATION INFO.: US 2000-725571 A1 20001130 (9)

NUMBER DATE _____ PRIORITY INFORMATION: JP 1999-359794 19991217

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION FILE SEGMENT:

LEGAL REPRESENTATIVE: OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH

FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA,

22202

NUMBER OF CLAIMS:

15

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

LINE COUNT:

IINGS: 1 Drawing Page(s) 596

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention provides a process for preparing a diglyceride, which includes:

in an enzyme-packed tower which includes an immobilized lipase preparation, carrying out an esterification reaction between:

- (1) an acyl group donor selected from the group including a fatty acid, a lower alcohol ester thereof, and a mixture thereof; and
- (2) an acyl group acceptor selected from the group including glycerol, a monoglyceride, and a mixture thereof;

to obtain a reaction fluid from the enzyme-packed tower;

reducing a water content or a lower alcohol content in the reaction fluid; and

subsequent to the reducing, recirculating the reaction fluid to the enzyme-packed tower, wherein a residence time of the reaction fluid in the enzyme-packed tower is 120 seconds or less;

to obtain a diglyceride. According to the present invention, a high-purity glyceride can be provided at a high yield in a short period of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER:

1999:110507 USPATFULL

TITLE:

Method for reducing saturated fatty acids from fatty

acid compositions

INVENTOR(S):

Sugiura, Masakatsu, Ibaraki, Japan

Kase, Minoru, Ibaraki, Japan

PATENT ASSIGNEE(S):

Kao Corporation, Tokyo, Japan (non-U.S. corporation)

NUMBER KIND DATE ______ PATENT INFORMATION: US 5952518
APPLICATION INFO.: US 1998-69756 19990914

19980430 (9)

NUMBER DATE _____ PRIORITY INFORMATION: JP 1997-213097 19970807

PRIORITI TYPE: Utilicy
Comment Type: Granted

FILE SEGMENT: Granted PRIMARY EXAMINER: Reamer, James H.

NUMBER OF CLAIMS: 20

LEGAL REPRESENTATIVE: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

EXEMPLARY CLAIM:

1

LINE COUNT:

388

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A method for efficiently removing saturated fatty acids from a fatty acid mixture is provided by adding an emulsifying agent to a feedstock fatty acid mixture, mixing and then cooling the mixture, and removing the crystallized portion by dry fractionation, and the use of the obtained reduced saturated fatty acid level mixture to produce fatty acid esters resistant to crystallization at low temperatures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.